



**THE PORT AUTHORITY**  
OF NEW YORK AND NEW JERSEY

**CONFORMED DRAWING**  
08/8/98  
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No.	Date	Revision	Approved

Engineering Department  
Design Divisions

**The World Trade Center**

**STANDBY POWER**  
**5 WORLD TRADE CENTER**

**ELECTRICAL**

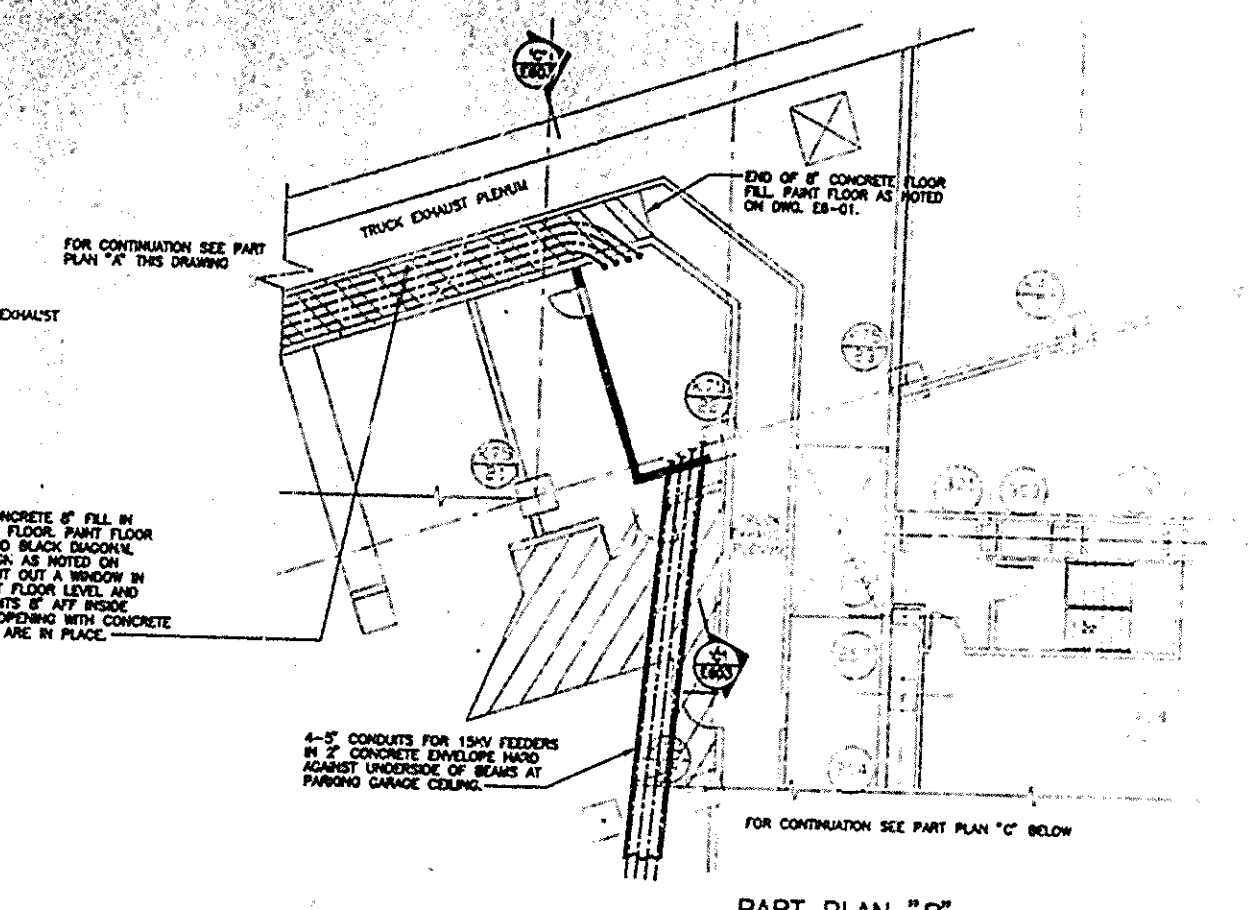
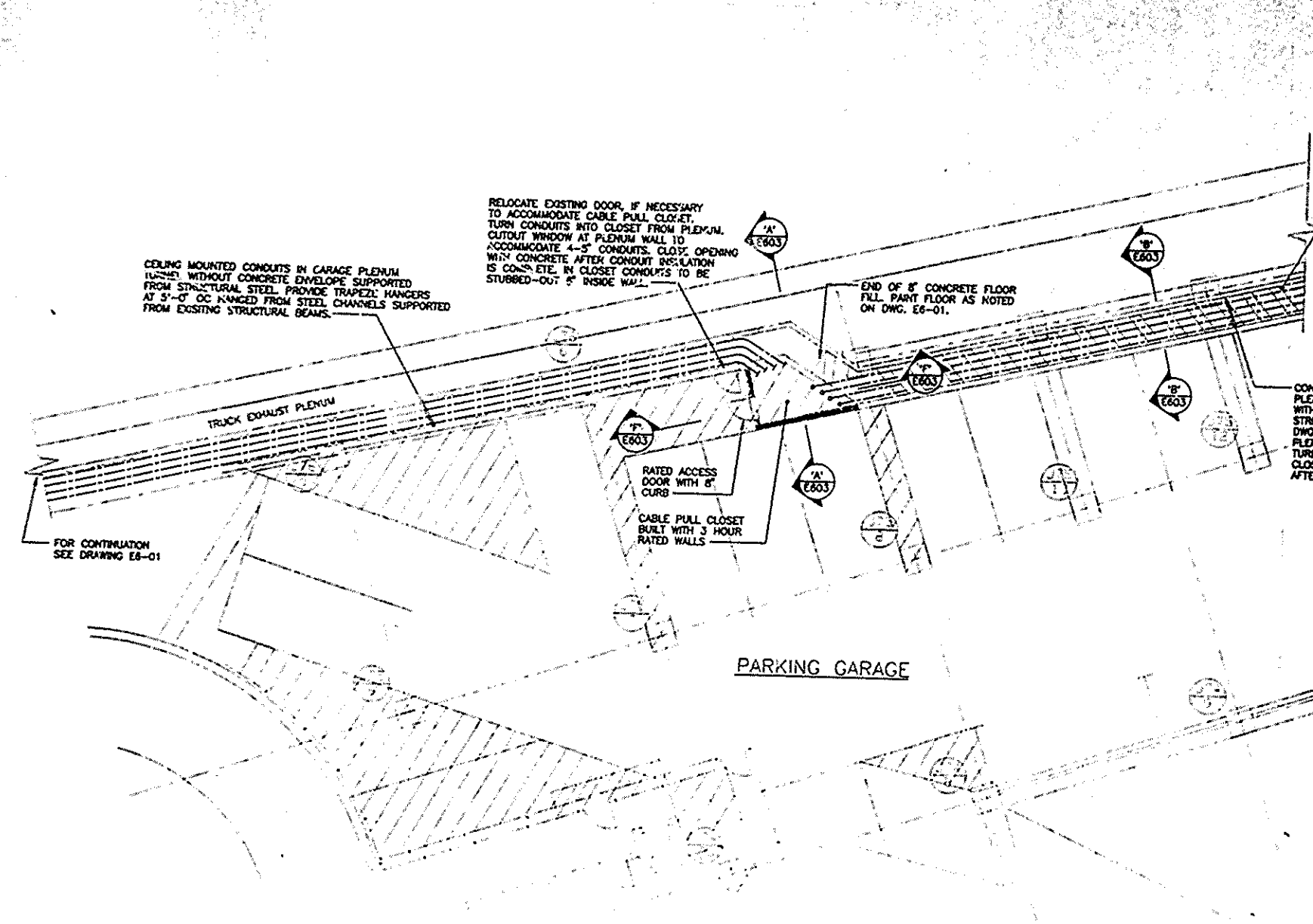
**B2 LEVEL PART**  
**PLANS 15KV FEEDER**  
**ROUTING**

The drawing is subject to conditions in contract. No alterations, deletions, additions, or modifications are permitted without the written consent of the Port Authority and may not be used without its written consent.

Prepared by: **WJR** Drawn by: **WJR** Check by: **WJR**

Date: 11/17/97 Scale: AS NOTED

Contract Number: **WTC-945.071** Drawing Number: **E8-04**



- NOTES:**
1. FOR THE INSTALLATION OF 15KV CABLES IN PULL AND TRANSITION CLOSETS, PROVIDE RINGS, BRACKETS, SUPPORTS, PORCELAIN SPOOL INSULATORS AND INSULATOR CLAMPS AS NECESSARY TO SECURE AND DRESS UP OF CABLES AT WALLS AND CEILING.
  2. PROVIDE HALF LAPPED LAYER OF ARC PROOFING TAPE TO COVER ENTIRE SECTION OF EXPOSED CABLES WHERE THE PULL AND TRANSITION CLOSET AFTER INSTALLATION IS COMPLETED.
  3. ALL PROPOSED CONDUIT ROUTING SHALL BE SURVEYED AND SUBMITTED IN SHOP DRAWING FORM TO THE AUTHORITY FOR APPROVAL. NO INSTALLATION SHALL COMMENCE WITHOUT WRITTEN ACCEPTANCE.
  4. ALL ROUTING SHOW PROPOSED LOCATIONS OF CONDUITS. EXISTING BUILDING CONDITIONS AND EXISTENCES MAY REQUIRE THE CONTRACTOR TO MAKE ADJUSTMENTS AND OFFSETS TO THE LOCATIONS OF CONDUITS AND PULL TRANSITION CLOSETS.
  5. PROVIDE FIRE PROOFING OF ALL CONDUIT INSTALLATION PASSING THROUGH FIRE RATED WALLS.
  6. WHERE EXISTING CONSTRUCTION MUST BE REMOVED FOR INSTALLATION OF WORK, REPAIR, PATCHING AND RELOCATION SHALL BE DONE IN AN APPROVED MANNER BY TRADESMAN SKILLED IN THE EXECUTION OF THE PARTICULAR TRADE.
  7. INSTALL ALL 15KV FEEDER CABLES FURNISHED BY THE AUTHORITY TO REQUIRED LOCATIONS AS SHOWN ON DRAWINGS. TERMINATE CABLES IN SWITCHGEAR AND CABINETS AS INDICATED.
  8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ON SITE ASSEMBLY OF HARDWARE DEVICES AND SYSTEM COMPONENTS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE AUTHORITY'S ATTENTION IMMEDIATELY FOR RESOLUTION.
  9. IT IS INTENDED THAT ALL 15KV CABLES BE INSTALLED FROM TERMINATION TO TERMINATION SHOWN WITHOUT, OR WITH MINIMUM NUMBER OF SPLICES. SHOULD SPLICES BE REQUIRED, THEY SHALL BE IDENTIFIED AND PERFORMED IN PULL BOXES, AL-DIOR PULL TRANSITION CLOSETS, PULL AND SPLICE BOXES SHALL BE SIZED PER N.E.C. SECTIONS 310-10, 71 AND 72.
  10. RATING OF CONTROL AND CONTROL WIRING AND CONDUIT NOT SHOWN IN THIS LAYOUT SHALL FOLLOW SAME ROUTE OF WY. RACEWAY INSTALLATION EXCEPT THEY WILL CONTROL OVERHEAD IN THE GARAGE (EXHAUST PLENUM TUNNEL, ETC.) REQUIRED TO REACH POINT OF USE FOR 2 WTC AND 1 WTC.

